1. $\lim_{x\to 0} \frac{3x}{\sqrt{5-x}-\sqrt{5+x}}$
2. $\lim_{x\to \infty} \frac{5x^3-3x^2+7}{2x^4+3x^2+1}$
3. $\lim_{x\to 0} \frac{cos^2x-cos^2 2x}{x^2}$
4. $\lim_{x\to x_0} \frac{7x^2+4x-3}{2x^2+3x+1}$, $x_0 = \infty$ $x_0 = -1$
5. $\lim_{x\to \infty} (\frac{2x-1}{2x+4})^{3x}$
6. $\lim_{x\to 0} \frac{1-cos4x}{x\cdot sinx}$